

# Yun Chen

## List of Publications by Year in descending order

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90  
papers

4,146  
citations

126907

33  
h-index

118850

62  
g-index

91  
all docs

91  
docs citations

91  
times ranked

4320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Abandoned Salinized Farmland Reclamation on Distribution of Inorganic Phosphorus in Soil Aggregates in Northwest China. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 706-718.	3.4	2
2	Estimating actual evapotranspiration at field-to-continent scales by calibrating the CMRSET algorithm with MODIS, VIIRS, Landsat and Sentinel-2 data. <i>Journal of Hydrology</i> , 2022, 605, 127318.	5.4	20
3	Impact of land-use/land-cover and landscape pattern on seasonal in-stream water quality in small watersheds. <i>Journal of Cleaner Production</i> , 2022, 357, 131907.	9.3	27
4	Estimating Pasture Biomass Using Sentinel-2 Imagery and Machine Learning. <i>Remote Sensing</i> , 2021, 13, 603.	4.0	47
5	Investigating land subsidence and its causes along Beijing high-speed railway using multi-platform InSAR and a maximum entropy model. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 96, 102284.	2.8	16
6	Soil chemical properties drive the structure of bacterial communities in the cotton soil of arid Northwest China. <i>Ecological Research</i> , 2021, 36, 663-672.	1.5	2
7	Changes in Glacial Meltwater Runoff and Its Response to Climate Change in the Tianshan Region Detected Using Unmanned Aerial Vehicles (UAVs) and Satellite Remote Sensing. <i>Water (Switzerland)</i> , 2021, 13, 1753.	2.7	13
8	Estimation of Urban Land-Use Efficiency for Sustainable Development by Integrating over 30-Year Landsat Imagery with Population Data: A Case Study of Ha Long, Vietnam. <i>Sustainability</i> , 2021, 13, 8848.	3.2	16
9	Growth characteristics of <i>Suaeda salsa</i> under different soil salinity gradients in controlled experiments. <i>International Journal of Agricultural and Biological Engineering</i> , 2021, 14, 142-148.	0.6	1
10	Estimation of Long-Term River Discharge and Its Changes in Ungauged Watersheds in Pamir Plateau. <i>Remote Sensing</i> , 2021, 13, 4043.	4.0	6
11	Assessing the impact of shallow subsurface pipe drainage on soil salinity and crop yield in arid zone. <i>PeerJ</i> , 2021, 9, e12622.	2.0	2
12	The Role of Water Temperature Modelling in the Development of a Release Strategy for Cyprinid Herpesvirus 3 (CyHV-3) for Common Carp Control in Southeastern Australia. <i>Water (Switzerland)</i> , 2020, 12, 3217.	2.7	6
13	Effects of Water Diversion Project on groundwater system and land subsidence in Beijing, China. <i>Engineering Geology</i> , 2020, 276, 105763.	6.3	22
14	Spatial Attraction Models Coupled with Elman Neural Networks for Enhancing Sub-Pixel Urban Inundation Mapping. <i>Remote Sensing</i> , 2020, 12, 2068.	4.0	11
15	Discharge Estimation Using Harmonized Landsat and Sentinel-2 Product: Case Studies in the Murray Darling Basin. <i>Remote Sensing</i> , 2020, 12, 2810.	4.0	14
16	Land subsidence and its relation with groundwater aquifers in Beijing Plain of China. <i>Science of the Total Environment</i> , 2020, 735, 139111.	8.0	80
17	Supply-Demand Analysis of Urban Emergency Shelters Based on Spatiotemporal Population Estimation. <i>International Journal of Disaster Risk Science</i> , 2020, 11, 519-537.	2.9	18
18	Estimation of surface water quality parameters based on hyper-spectral and 3D-EEM fluorescence technologies in the Ebinur Lake Watershed, China. <i>Physics and Chemistry of the Earth</i> , 2020, 118-119, 102895.	2.9	3

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19	Estimation of regional irrigation water requirements and water balance in Xinjiang, China during 1995–2017. <i>PeerJ</i> , 2020, 8, e8243.	2.0	15
20	Lake water volume fluctuations in response to climate change in Xinjiang, China from 2002 to 2018. <i>PeerJ</i> , 2020, 8, e9683.	2.0	7
21	How does the urban form-PM2.5 concentration relationship change seasonally in Chinese cities? A comparative analysis between national and urban agglomeration scales. <i>Journal of Cleaner Production</i> , 2019, 239, 118088.	9.3	30
22	Remote Sensing of Wetland Flooding at a Sub-Pixel Scale Based on Random Forests and Spatial Attraction Models. <i>Remote Sensing</i> , 2019, 11, 1231.	4.0	7
23	Inorganic Phosphorus Distribution in Soil Aggregates Under Different Cropping Patterns in Northwest China. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 157-165.	3.4	6
24	Emergency Evacuation Simulation and Management Optimization in Urban Residential Communities. <i>Sustainability</i> , 2019, 11, 795.	3.2	32
25	Enhanced Super-Resolution Mapping of Urban Floods Based on the Fusion of Support Vector Machine and General Regression Neural Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1269-1273.	3.1	8
26	Remote sensing for vegetation monitoring in carbon capture storage regions: A review. <i>Applied Energy</i> , 2019, 240, 312-326.	10.1	55
27	Integrating Water Observation from Space Product and Time-Series Flow Data for Modeling Spatio-Temporal Flood Inundation Dynamics. <i>Remote Sensing</i> , 2019, 11, 2535.	4.0	1
28	Evaluation of comprehensive improvement for mild and moderate soil salinization in arid zone. <i>PLoS ONE</i> , 2019, 14, e0224790.	2.5	7
29	Effect of cropping systems after abandoned salinized farmland reclamation on soil bacterial communities in arid northwest China. <i>Soil and Tillage Research</i> , 2019, 187, 204-213.	5.6	38
30	Spatiotemporal variations of CO2 emissions and their impact factors in China: A comparative analysis between the provincial and prefectural levels. <i>Applied Energy</i> , 2019, 233-234, 170-181.	10.1	105
31	Characterising spatiotemporal variability of South Asia's climate extremes in past decades. <i>Climate Research</i> , 2019, 77, 249-265.	1.1	1
32	Mapping spatial accessibility of public transportation network in an urban area – A case study of Shanghai Hongqiao Transportation Hub. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 59, 478-495.	6.8	40
33	Remotely sensed nighttime lights reveal increasing human activities in protected areas of China mainland. <i>Remote Sensing Letters</i> , 2018, 9, 467-476.	1.4	24
34	Spatiotemporal variations of urban CO2 emissions in China: A multiscale perspective. <i>Applied Energy</i> , 2018, 211, 218-229.	10.1	98
35	Effect of reclamation of abandoned salinized farmland on soil bacterial communities in arid northwest China. <i>Science of the Total Environment</i> , 2018, 630, 799-808.	8.0	40
36	Downscaling of passive microwave soil moisture retrievals based on spectral analysis. <i>International Journal of Remote Sensing</i> , 2018, 39, 50-67.	2.9	8

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37	Integration of fuzzy theory and particle swarm optimization for high-resolution satellite scene recognition. <i>Progress in Artificial Intelligence</i> , 2018, 7, 147-154.	2.4	0
38	Detecting, Extracting, and Monitoring Surface Water From Space Using Optical Sensors: A Review. <i>Reviews of Geophysics</i> , 2018, 56, 333-360.	23.0	402
39	Managing too little and too much water: Robust mine-water management strategies under variable climate and mine conditions. <i>Journal of Cleaner Production</i> , 2017, 162, 1009-1020.	9.3	31
40	Large hydropower and legitimacy: A policy regime analysis, applied to Myanmar. <i>Energy Policy</i> , 2017, 110, 619-630.	8.8	13
41	Integrating Entropy-Based Naïve Bayes and GIS for Spatial Evaluation of Flood Hazard. <i>Risk Analysis</i> , 2017, 37, 756-773.	2.7	45
42	Fuzzy Classification of High Resolution Remote Sensing Scenes Using Visual Attention Features. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-9.	1.7	4
43	Spatial Downscaling of Suomi NPP-VIIRS Image for Lake Mapping. <i>Water (Switzerland)</i> , 2017, 9, 834.	2.7	9
44	Characteristics of three dimensional fluorescence spectra and its correlation with water quality in Jinghe and Bortala River from Lake Ebinur's major inflow tributaries, Xinjiang. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2017, 29, 1112-1120.	0.8	1
45	Urban Expansion and Agricultural Land Loss in China: A Multiscale Perspective. <i>Sustainability</i> , 2016, 8, 790.	3.2	83
46	Improved Urban Flooding Mapping from Remote Sensing Images Using Generalized Regression Neural Network-Based Super-Resolution Algorithm. <i>Remote Sensing</i> , 2016, 8, 625.	4.0	32
47	Surface Water Mapping from Suomi NPP-VIIRS Imagery at 30 m Resolution via Blending with Landsat Data. <i>Remote Sensing</i> , 2016, 8, 631.	4.0	33
48	Assessment of Reclamation Treatments of Abandoned Farmland in an Arid Region of China. <i>Sustainability</i> , 2016, 8, 1183.	3.2	19
49	Prediction of salt transport in different soil textures under drip irrigation in an arid zone using the SWAGMAN Destiny model. <i>Soil Research</i> , 2016, 54, 869.	1.1	9
50	Improved estimation of hydraulic conductivity by combining stochastically simulated hydrofacies with geophysical data. <i>Scientific Reports</i> , 2016, 6, 22224.	3.3	13
51	Integration of Bayesian regulation back-propagation neural network and particle swarm optimization for enhancing sub-pixel mapping of flood inundation in river basins. <i>Remote Sensing Letters</i> , 2016, 7, 631-640.	1.4	10
52	Potential for mine water sharing to reduce unregulated discharge. <i>Journal of Cleaner Production</i> , 2016, 131, 133-144.	9.3	12
53	Detecting spatiotemporal dynamics of global electric power consumption using DMSP-OLS nighttime stable light data. <i>Applied Energy</i> , 2016, 184, 450-463.	10.1	159
54	Assessing spatial likelihood of flooding hazard using Naïve Bayes and GIS: a case study in Bowen Basin, Australia. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1575-1590.	4.0	60

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55	Modeling spatiotemporal CO <sub>2</sub> (carbon dioxide) emission dynamics in China from DMSP-OLS nighttime stable light data using panel data analysis. <i>Applied Energy</i> , 2016, 168, 523-533.	10.1	222
56	Evaluating flood inundation impact on wetland vegetation FPAR of the Macquarie Marshes, Australia. <i>Environmental Earth Sciences</i> , 2015, 74, 4989-5000.	2.7	11
57	Modeling and mapping total freight traffic in China using NPP-VIIRS nighttime light composite data. <i>GIScience and Remote Sensing</i> , 2015, 52, 274-289.	5.9	94
58	Super-resolution mapping of wetland inundation from remote sensing imagery based on integration of back-propagation neural network and genetic algorithm. <i>Remote Sensing of Environment</i> , 2015, 164, 142-154.	11.0	98
59	An evaluation of Suomi NPP-VIIRS data for surface water detection. <i>Remote Sensing Letters</i> , 2015, 6, 155-164.	1.4	41
60	A spatial assessment framework for evaluating flood risk under extreme climates. <i>Science of the Total Environment</i> , 2015, 538, 512-523.	8.0	127
61	Sub-pixel flood inundation mapping from multispectral remotely sensed images based on discrete particle swarm optimization. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 10-21.	11.1	69
62	Evaluating Water Management Practice for Sustainable Mining. <i>Water (Switzerland)</i> , 2014, 6, 414-433.	2.7	20
63	Particle swarm optimization based spatial location allocation of urban parks &#x2014; A case study in Baoshan District, Shanghai, China. , 2014, , .		1
64	DEM-based modification of pixel-swapping algorithm for enhancing floodplain inundation mapping. <i>International Journal of Remote Sensing</i> , 2014, 35, 365-381.	2.9	58
65	Mapping spatio-temporal flood inundation dynamics at large river basin scale using time-series flow data and MODIS imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 26, 350-362.	2.8	126
66	Integration of remotely sensed inundation extent and high-precision topographic data for mapping inundation depth. , 2014, , .		8
67	A systems model combining process-based simulation and multi-objective optimisation for strategic management of mine water. <i>Environmental Modelling and Software</i> , 2014, 60, 250-264.	4.5	15
68	The Strengths and Limitations in Using the Daily MODIS Open Water Likelihood Algorithm for Identifying Flood Events. <i>Remote Sensing</i> , 2014, 6, 11791-11809.	4.0	67
69	Estimate of flood inundation and retention on wetlands using remote sensing and GIS. <i>Ecohydrology</i> , 2014, 7, 1412-1420.	2.4	38
70	Water Cycle and Irrigation Expansion: An Application of Multi-Criteria Evaluation in the Limestone Coast (Australia). <i>Journal of Water Resource and Protection</i> , 2014, 06, 655-668.	0.8	0
71	An Evaluation of MODIS Daily and 8-day Composite Products for Floodplain and Wetland Inundation Mapping. <i>Wetlands</i> , 2013, 33, 823-835.	1.5	162
72	The spatial framework for weight sensitivity analysis in AHP-based multi-criteria decision making. <i>Environmental Modelling and Software</i> , 2013, 48, 129-140.	4.5	134

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73	A dem-based modified pixel swapping algorithm for floodplain inundation mapping at subpixel scale. , 2013, , .		3
74	Three Dimensional Conceptualisation of Hydrogeological Environment to Underpin Groundwater Management in Irrigation Area. <i>Water Resources Management</i> , 2012, 26, 3077-3093.	3.9	2
75	Evaluation of potential irrigation expansion using a spatial fuzzy multi-criteria decision framework. <i>Environmental Modelling and Software</i> , 2012, 38, 147-157.	4.5	47
76	Detecting floodplain inundation frequency using MODIS time-series imagery. , 2012, , .		13
77	Ant Colony Optimisation based land use suitability classification. , 2012, , .		1
78	Cellular automata-based spatial multi-criteria land suitability simulation for irrigated agriculture. <i>International Journal of Geographical Information Science</i> , 2011, 25, 131-148.	4.8	94
79	Estimating effects of plantation expansion and climate variability on streamflow for catchments in Australia. <i>Water Resources Research</i> , 2011, 47, .	4.2	64
80	A GIS Framework for Changing Cropping Pattern Under Different Climate Conditions and Irrigation Availability Scenarios. <i>Water Resources Management</i> , 2011, 25, 3073-3090.	3.9	18
81	Economic value evaluation of wetland service in Yeyahu Wetland Nature Reserve, Beijing. <i>Chinese Geographical Science</i> , 2011, 21, 744-752.	3.0	11
82	Modeling and implementation of classification rule discovery by ant colony optimisation for spatial land-use suitability assessment. <i>Computers, Environment and Urban Systems</i> , 2011, 35, 308-319.	7.1	34
83	To retire or expand? A fuzzy GIS-based spatial multi-criteria evaluation framework for irrigated agriculture. <i>Irrigation and Drainage</i> , 2010, 59, 174-188.	1.7	42
84	Spatial sensitivity analysis of multi-criteria weights in GIS-based land suitability evaluation. <i>Environmental Modelling and Software</i> , 2010, 25, 1582-1591.	4.5	493
85	Evaluating social service value of wetlands in Beijing based on remote sensing and GIS. , 2010, , .		0
86	Climatic regionalization mapping of the Murrumbidgee Irrigation Area, Australia. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 1773-1779.	4.4	8
87	Analysis of low-flow characteristics for catchments in Dongjiang Basin, China. <i>Hydrogeology Journal</i> , 2009, 17, 631-640.	2.1	14
88	A methodology for up-scaling irrigation losses. <i>Irrigation Science</i> , 2009, 27, 347-356.	2.8	11
89	Evaluation of Landsat TM vegetation indices for estimating vegetation cover on semi-arid rangelands: a case study from Australia. <i>Canadian Journal of Remote Sensing</i> , 2009, 35, 435-446.	2.4	36
90	Soil nitrate accumulation, leaching and crop nitrogen use as influenced by fertilization and irrigation in an intensive wheat-maize double cropping system in the North China Plain. <i>Plant and Soil</i> , 2006, 284, 335-350.	3.7	199